

INTERNATIONAL SEARCH REPORT

Intern il Application No
PCT/IB2004/003758

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C29/141 C07C45/50 C07C47/02 C07C31/125

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	EP 0 602 442 A (HOECHST AKTIENGESELLSCHAFT) 22 June 1994 (1994-06-22) the whole document -----	1-25
A	US 6 307 093 B1 (GODWIN ALLEN DAVID ET AL) 23 October 2001 (2001-10-23) column 6, line 56 - column 7, line 3 -----	1-25
A	US 5 886 237 A (PACKETT ET AL) 23 March 1999 (1999-03-23) the whole document -----	1-25
A	EP 0 529 698 A (SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V) 3 March 1993 (1993-03-03) the whole document -----	1-25
	-/--	

☒ Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

4 May 2005

Date of mailing of the international search report

17/05/2005

Name and mailing address of the ISA

European Patent Office, P. B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Österle, C

INTERNATIONAL SEARCH REPORT

Intern: al Application No
PCT/IB2004/003758

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KRANENBURG M ET AL: "NEW DIPHOSPHINE LIGANDS BASED ON HETEROCYCLIC AROMATICS INDUCING VERY HIGH REGIOSELECTIVITY IN RHODIUM-CATALYZED HYDROFORMYLATION: EFFECT OF THE BITE ANGLE" ORGANOMETALLICS, WASHINGTON, DC, US, vol. 14, no. 6, 1 June 1995 (1995-06-01), pages 3081-3089, XP000565303 ISSN: 0276-7333 page 3086, column 1 - column 2 -----	1-25
A	CASEY C P ET AL: "DIPHOSPHINES WITH NATURAL BITE ANGLES NEAR 120 DEG INCREASE SELECTIVITY FOR N-ALDEHYDE FORMATION IN RHODIUM-CATALYZED HYDROFORMYLATION" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 114, no. 14, 1 July 1992 (1992-07-01), pages 5535-5543, XP000576101 ISSN: 0002-7863 the whole document -----	1-25

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inte

Application No

PCT/IB2004/003758

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0602442	A	22-06-1994	DE 4242725 A1	23-06-1994
			AU 664126 B2	02-11-1995
			AU 5243993 A	30-06-1994
			BR 9305007 A	05-07-1994
			CA 2111026 A1	18-06-1994
			EP 0602442 A2	22-06-1994
			JP 2030848 C	19-03-1996
			JP 6279334 A	04-10-1994
			JP 7039362 B	01-05-1995
			MX 9307868 A1	30-06-1994
			SG 44829 A1	19-12-1997
			US 6051743 A	18-04-2000
			ZA 9309292 A	04-08-1994
US 6307093	B1	23-10-2001	AT 215523 T	15-04-2002
			AT 180763 T	15-06-1999
			AU 4536396 A	07-08-1996
			AU 4536496 A	07-08-1996
			AU 4621096 A	07-08-1996
			BG 62162 B1	30-04-1999
			BG 101782 A	30-04-1998
			BR 9606923 A	11-11-1997
			CA 2209474 A1	25-07-1996
			CA 2209494 A1	25-07-1996
			CN 1168129 A ,C	17-12-1997
			CN 1175941 A	11-03-1998
			CZ 9702281 A3	13-05-1998
			DE 69602717 D1	08-07-1999
			DE 69602717 T2	13-01-2000
			DE 69620387 D1	08-05-2002
			DE 69620387 T2	17-10-2002
			EA 685 B1	28-02-2000
			EG 21039 A	30-09-2000
			WO 9622264 A1	25-07-1996
			WO 9622265 A1	25-07-1996
			WO 9622268 A1	25-07-1996
			EP 0804397 A1	05-11-1997
			EP 0804398 A1	05-11-1997
			EP 0804402 A1	05-11-1997
			ES 2135866 T3	01-11-1999
			JP 11502511 T	02-03-1999
			JP 10513155 T	15-12-1998
			PL 321368 A1	08-12-1997
			TW 502014 B	11-09-2002
			US 6090986 A	18-07-2000
			US 6049011 A	11-04-2000
			ZA 9600178 A	30-06-1997
US 5886237	A	23-03-1999	AU 2742297 A	12-11-1997
			EP 0853609 A1	22-07-1998
			WO 9740002 A1	30-10-1997
			ID 17688 A	22-01-1998
			AU 2681597 A	12-11-1997
			AU 2742097 A	12-11-1997
			AU 2809397 A	12-11-1997
			DE 69717097 D1	19-12-2002
			DE 69717097 T2	24-07-2003
			DE 69719971 D1	24-04-2003

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inten

Application No

PCT/IB2004/003758

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5886237	A	EP 0900183 A1	10-03-1999
		EP 0900184 A1	10-03-1999
		ES 2182063 T3	01-03-2003
		ID 18620 A	30-04-1998
		ID 19360 A	02-07-1998
		WO 9739996 A1	30-10-1997
		WO 9739997 A1	30-10-1997
		WO 9739998 A1	30-10-1997
		US 2002007096 A1	17-01-2002
		US 6172269 B1	09-01-2001
		US 6187970 B1	13-02-2001
<hr/>			
EP 0529698	A	03-03-1993	CA 2077007 A1
			CN 1069960 A ,C
			DE 69214572 D1
			DE 69214572 T2
			EP 0529698 A2
			ES 2092627 T3
			IN 185880 A1
			JP 3410120 B2
			JP 5246916 A
			KR 251076 B1
			US 5214220 A
<hr/>			